Amendment

Amendments to Specification

Please amend the paragraph beginning at line 11 of page 1 as follows:

"SYSTEM AND METHOD FOR MANAGING ROUTER METADATA", serial number [[_____]]09/663,484, ~~<Attorney Docket 1384.011>,~~

Please amend the paragraph beginning at line 13 of page 1 as follows:

and to two provisional applications each titled "SYSTEMS AND METHOD FOR DELIVERING INTERNETWORKING SERVICES" having application nos. 60/232,516 and 60/232,577 ~~<Attorney Dockets 1384.012PRV AND 1384.013PRV>~~;

Please amend the paragraph beginning at line 19 of page 6 as follows:

Customer network management system 106 hosts software that configures and controls the resources within service processing switch 110 that have been allocated to the particular customer. The operation of ~~service management system 118~~ customer network management system 106 will be described in further detail in the sections that follow.

Please amend the paragraph beginning at line 15 of page 8 as follows:

FIG. 4 illustrates how the routing needs of the Inter-VPN segment 302 are taken care of at the time a VR is created. When a customer VR 206 is created, the user is given the option to automatically connect the customer VR 206 with an ISP VR 308. At that time, service management system 118 (FIG. 1) also creates a default route 402 on the customer [[VR206]] VR 206 and a static route 406 on the ISP VR 308, which accommodates customer VR 206 to ISP VR 308 connectivity. In this model, for all network address translation (NAT) addresses 404, the user must add static routes on the ISP VPN.

Please amend the paragraph beginning at line 13 of page 11 as follows:

The method begins at block 602 when a system executing the method learns, or discovers, the current routes to sites connected via the service processing switch [[118]]110 (FIG.1). To build or include new sites in a VPN, each edge router must learn the routes to all sites connected to all the edges in the network. An edge in a network is a boundary between two routers, an edge router is [[a]] typically a network device that routes data between one or more local area networks and a backbone network. Two components of routing information are typically needed for the VPN:

Please amend the paragraph beginning at line 1 of page 12 as follows:

After learning routes to sites, the system ~~and disseminate~~ disseminates site reachability information (block 604). Various embodiments of the invention employ different mechanisms to disseminate the information. In one embodiment, static configuration is used. In static configuration, all the subnets associated with each customer site are manually configured into the VPN. To increase the manageability of this information, customer network management (CNM) 116 (FIG. 1) tools can be enhanced to allow customers to directly add and remove subnet information from the VPN. The subnet information can be used to automatically create the static routes in the VPN. In this case, the customer also needs to add static routes to the CPE routers of non-stub sites.

Please amend the paragraph beginning at line 26 of page 17 as follows:

2) Define a few fixed routing profiles and sell them as a part of service packets such as Gold, Silver, and Bronze. For instance, Gold will allow a user to select OSPF for intra-VPN as well as ISP edge segment. Silver will allow the user to configure OSPF for intra-VPN

segment, while RIP for **[[**ISPF**]]** ISP edge. The bronze packet will permit the customer to configure STATIC for ISP edge as well as Intra-VPN segment.